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FEB i		7		FILING DATE July 9, 2003		GROUP ART UN	NIT 1753			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE		
/EW/		4,115,280	9/19/1978	Pratt		422	186.1			
		2,161,292	1/6/1939	Hahnen	nann	607	156			
		4,012,301	3/15/1977	Rich		204	157.41		·	
		4,481,091	11/6/1984	Brus		204	157.15			
V		4,529,489	7/16/1985	McDona	ald	588	306			
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		OTHER DOCUME			r, Title, Date, Pertinent F					
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/EW/	/EW/ Muller, R., et al. (1984). Nitroxyl (HNO), an Intermediate in (Light-induced) Rearrangement Reactions of Nitrosooxy Compounds and Nitrosamines. Helvetica Chimica Acta, Vol. 67, Pages 953-958.  no month									
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Form PTO-A820 (also form PTO-1449)

## ATTY DOCKET NO. APPLICATION NO. BKL: 113 (c) US 10/615,666 INFORMATION DISCLOSURE CITATION Juliana H.J. Brooks, et al. (Use several sheets if necessary) FILING **GROUP ART** July 9, 2003 1753 **U.S. PATENT DOCUMENTS** \*EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE /EW/ 4,755,269 7/5/1988 Brumer 204 157.4 4,774,026 9/27/1988 Kitamori 204 157.4 5,015,349 5/14/1991 Suib 204 168 5,174,877 12/29/1992 Cooper 204 193 5,395,490 3/7/1995 -Hoff 204 157.15 **U.S. PATENT APPLICATION PUBLICATIONS** \*EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Doi, Y. & Tsutsui, M. (1978). Fluorescence and Photochemistry of the Charge-Transfer Band in Alcoholic Vanadium Trichloride Solution. *Journal of the American Chemical Society*, Vol. 100, No. 10, Pages 3243-3244. /EW/ no month Zones, S.I., et al. (1976). The Reduction of Molecular Nitrogen, Organic Substrates, and Protons by Vanadium (II). Journal of the American Chemical Society, Vol. 98, No. 23, Pages 7289-7295.

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## ATTY DOCKET NO. APPLICATION NO. BKL: 113 (c) US 10/615,666 INFORMATION DISCLOSURE CITATION Juliana H.J. Brooks, et al. (Use several sheets if necessary) FILING **GROUP ART** July 9, 2003 1753 **U.S. PATENT DOCUMENTS** \*EXAMINER FILING DATE CLASS SUBCLASS DOCUMENT NUMBER DATE NAME INITIAL IF APPROPRIATE /EW/ 4,548,686 10/22/1985 Stevens, et al. 204 157.94 4/17/2001 Mohr, Thomas J. 204 157.15 6,217,712 4,287,036 9/1/1981 Tsutsui, et al. 204 157.46 4,861,484 8/29/1989 Lichtin, et al. 210 638 4,115,280 9/19/1978 Pratt, Jr., George W. 422 186.1 **U.S. PATENT APPLICATION PUBLICATIONS** \*EXAMINER FILING DATE SUBCLASS DOCUMENT NUMBER DATE NAME CLASS INITIAL IF APPROPRIATE **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Weaver, J., et al. (1998). Theoretical Limits on the Threshold for the Response of Long Cells to Weak Extremely Low Frequency Electric Fields Due to Ionic and Molecular Flux Rectification. *Biophysical Journal*, Vol. 75, No. /EW/ 5, Pages 1-9.

EXAMINER /Edna Wong/ DATE CONSIDERED 10/22/2007

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/EW/

Jensen, M. (1998). Electromagnetic fields may trigger enzymes. Science News, Vol. 153, Page 119.

•				BKL: 113 (c) US	Application Number 10/615,666				
INFORMATION DISCLOSURE CITATION				Applicant(s)	10/013,000				
		,	(Use several sheets if necessary)	Juliana H.J. Brooks, et al.					
				Filing Date July 9, 2003	Group Art Unit 1753				
	MINER TIAL		OTHER DOCUMENTS (Including Author, Titl	e, Date, Pertinent Pages, Etc.)					
/EW/			Wilson, A. S. (1958). The reaction between hydrogen peroxide and ruthenium tetroxide in acid solutions. J. Inorg. Nuclear Chem., Vol. 7, Pages 149-152.						
		,	no month						
			S. F. (1995). Plants: Forest Overachievers. Popular	Science, 1 Page.					
			no month						
		•	Chou, C., & Guy, A. (1982). Auditory perception of Society of America, Vol. 71, No. 6, Pages 1321-1333.	f radio-frequency electromagentic	fields. The Journal of the Acoustical				
			no month						
••		-	Scherer, W. (1996). Biological Effects of Radiofreq Radiation: Application, Hazards, and Safeguards. R wysiwyg://135/http://www.reach.net/~scherer/p/bio	etrieved December 30, 1997 from	ts of Radiofrequency and Microwave				
		_	no month						
			Kraus, K., et al. (1993). The Use of a Cap-Shaped ( Journal of Clinical Neurophysiology, Vol. 10, No. 3,	Coil for Transcranial Magnetic Sti Pages 353-362.	mulation of the Motor Cortex. <i>The</i>				
			no month						
		Jennum, P., et al. (1996). Paired transcranial magnetic stimulations and motor evoked potentials. <i>Electromyography and Clinical Neurophysiology</i> , Volume 36, Pages 341-348.							
,			no month		1.				
			Johnson, C., & Guy, A. (1972). Nonionizing Electron Proceedings of the IEEE, Vol. 60, No. 6, Pages 692-	omagentic Wave Effects in Biologic 719.	cal Materials and Systems.				
			no month						
•			Paros, L., & Kirsch, D. Cranial Electrotherapy Stir Treatment for Anxiety. the ANXIETY-PANIC inte http://www.algy.com/anxiety/cranial.html.	nulation (CES): A Very Safe and rnet resource, Pages 1-12. Retrieve	Effective Non-Pharmocological ed July 20, 1998 from				
<del></del> -			Raloff, J. (1999). Medicinal EMF's: Harnessing ele Pages 316-318.	ectric and magnetic fields for heali	ng and health. Science News, Vol. 156,.				
			no month		·				
·	•		Webb, S., & Dodds, D. (1968). Inhibition of Bacter	ial Cell Growth by 136 gc Microw	aves. Nature, Vol. 218, Pages 374-375,				
			no month		. •				
	1203		Webb, S., & Booth, A. (1969). Absorption of Micro	owaves by Microorganisms. Nature	e, Vol. 222, Pages 1199-1200.				
			no month						
	Stuchly, M. (1995). Interactions of Electromagnetic Fields with Living Systems. Retrieved on December 30, 1997 from http://bme01.engr.latech.edu/cdrom/340.html.								
V	/		no month	•	. 1				
EXAMI	INER		/Edna Wong/	DATE CONSIDERED 10/2	22/2007				

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## BKL: 113 (c) US 10/615,666 INFORMATION DISCLOSURE CITATION Applicant(s) Juliana H.J. Brooks, et al. (Use several sheets if necessary) Filing Date **Group Art Unit** 1753 July 9, 2003 •EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) INITIAL (1997). Physical Characteristics and Possible Biological Effects of Microwaves Applied in Wireless Communication. Microwave News-FDA Workshop Abstracts. Retrieved August 5, 1997 from http://www.microwavenews.com/FDA\_Workshop\_Abstracts.html. /EW/ no month Coghill, R., et al. (1997). Extra Low Frequency Electric and Magnetic Fields in the Bedplace of Children Diagnosed with Leukemia: A Case-Control Study. BENER Digest Update, Vol. VII, Issue 1, Pages 1-2. no month (1991). Shocking Treatment Proposed for AIDS. SCIENCE NEWS. News Reports. Retrieved October 31, 1997 from http://buncombe.main.nc.us/~mforrest/news.html. no month (1992). "Electrocuting"The AIDS Virus, A Safer-Yet Blood Supply. LONGEVITY. News Reports. Retrieved October 31, 1997 from http://buncombe.main.nc.us/~mforrest/news.html. no month (1991). Scientists say Electric Current may help fight AIDS. THE HOUSTON POST. News Reports. Retrieved October 31, 1997 from http://buncombe.main.nc.us/~mforrest/news.html. no month Volman, D.H. (1955). Hydrogen Peroxide Photocatalyzed Reaction of Hydrogen and Oxygen. *Journal of Chemical Physics*, Vol. 23, No 12, Pages 2458-2459. no month Volman, D.H. (1955). Photochemical Oxygen-Hydrogen Reaction at 1849 A. Journal of Chemical Physics, Vol. 25, No. 2, Pages 288-292. no month Verhelj, L., & Hugenschmidt, M. (1995). Hydrogen adsorption on oxygen covered Pt (111). Surface Science, Vol. 324, Issues 2-3, Pages 185-201; Abstract. no month Mitchell, G., et al. (1986). Water formation on Pt(111): Reaction of an intermediate with H2(g). Surface Science, Vol. 166, Issues 2-3, Pages 283-300; Abstract. no month Verheij, L.K.. (1997). Kinetic modelling of the hydrogen-oxygen reaction on Pt(111) at low temperature (<170 K). Surface Science, Vol. 371, Issue 1, Pages 100-110; Abstract. no month Mitchell, G. & White, J. (1987). Identification of the intermediate in the water formation reaction on Pt(111). Chemical Physics Letters, Vol. 135, Issues 1-2, Pages 84-88; Abstract. no month Gdowski, G., & Madix, R. (1982). The kinetics and mechanism of the hydrogen-oxygen reaction on Pt(S)-[9(111) x (100)]. Surface Science, Vol. 119, Issues 2-3, Pages 184-206; Abstract. no month **EXAMINER** DATE CONSIDERED /Edna Wong/ 10/22/2007

Docket Number (Optional)

**Application Number** 

P09B/REV04

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			Docket Number (Optional)	Application Number			
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/EW/	ı	Sansonetti, J., et al. Atlas of the Spectrum of a Plat on the Internet at: physics.nist.gov/PhysRefData/pl	inum/Neon Hollow-Cathode Lamp in latinum/contents.html; On 09 July 20	the Region 1130-4330 A; Accessed 03; Originally online 20 June 1994.			
		Polk, C., & Postow, E. (1986). Handbook of Biologic Introduction, Pages 27-35; Chapter 1, Pages 99-118 no month	cal Effects of Electromagnetic Fields. 8; Chapter 2, Pages 121-138; Chapter	Boca Raton, FL: CRC Press LLC. r 5, Pages 197-219.			
	i.	Blank, M. (1995). Electromagnetic Fields: Biologica Publication. Preface, Pages xiii-xiv; Chapter 1, Pag Chapter 15, Pages 277-285; Chapter 23, Pages 423-no month	ges 1-10: Chanter 11. Pages 191-223: (	Chanter 14. Pages 261-275.			
		United States Environmental Protection Agency. (1 Fields: Review Draft. EPA/600/6-90/005B. Executiv	1990). Evaluation of the Potential Cave Summary, Pages 1-1 - 1-6; Chapte	rcinogenicity of Electromagentic r 2, Pages 2-1 - 2-37.			
		n	o month				
	<i>.</i>	Lynes, B. (1987). The Cancer Cure the Worked! Fift Pages 1-10; Chapter 13, Pages 87-107.	ty Years of Suppression. Compcare Po	abns. Introduction and Forward,			
· [ ]		no month					
		Miura, R., et al. (1980). Studies on the Reaction of D-Amino Acid Oxidase with beta-Cyano-D-Alanine. Observation of an Intermediary Stable Charge Transfer Complex. J. Biochem., Vol. 87, No. 5, Pages 1469-1481.					
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STATEMENT BY APPLICANT				First Named Inventor	Juliana H.J. Brooks	
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(650 do many should as necessary)			ocessary)	Examiner Name	Wong, Edna	
Sheet	1	of	1	Attorney Docket Number	BKL: 113 (c) US	

6		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/EW/		CRONHEIM, G. "Effect of irradiation on enzymes and fermentative processes", Enzymologia (1937) 3: 115-137 (abstract only). no month			
		BRADY ET AL. General Chemistry, Principles and Structure. (1978) Second edition. (John Wiley and Sons: New York) page 344. no month			
		LEHNINGER, A. Biochemistry (1979) Second edition. (Worth Publishers, Inc.: New York) page 231. no month			

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Signature	/Edna Wong/	Considered	10/22/2007

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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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